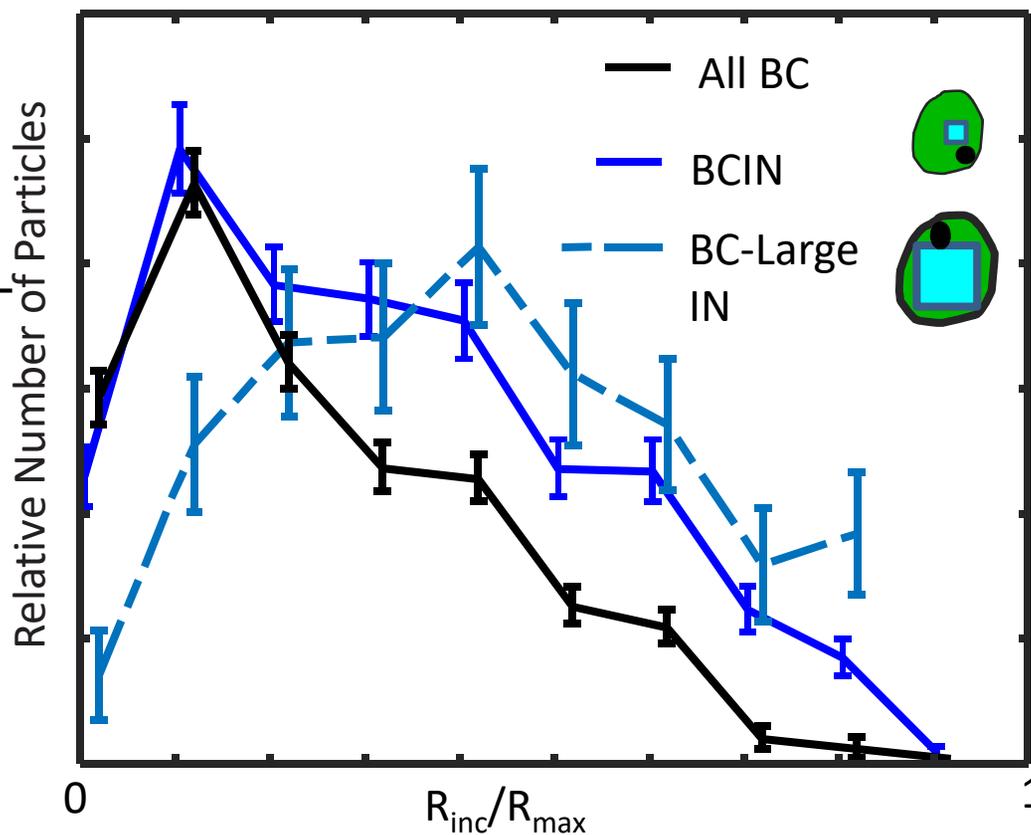
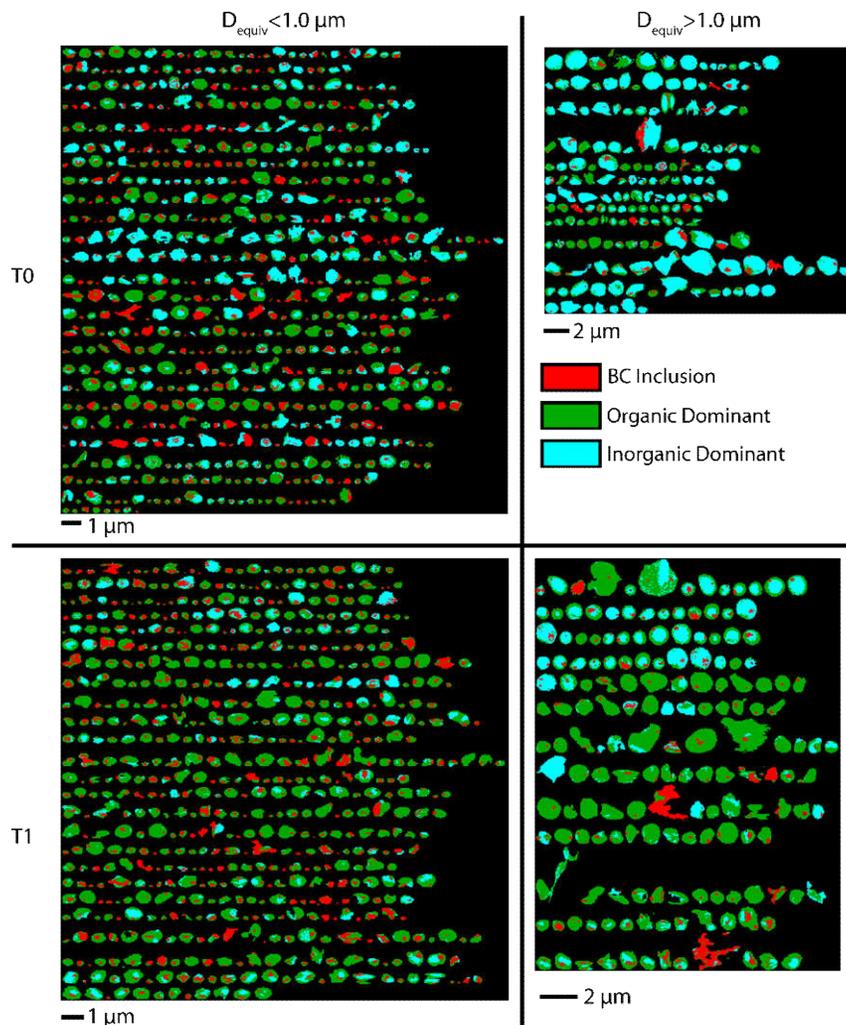
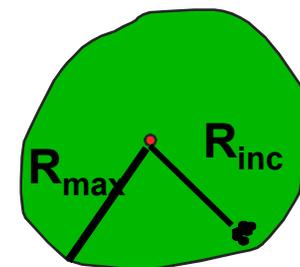


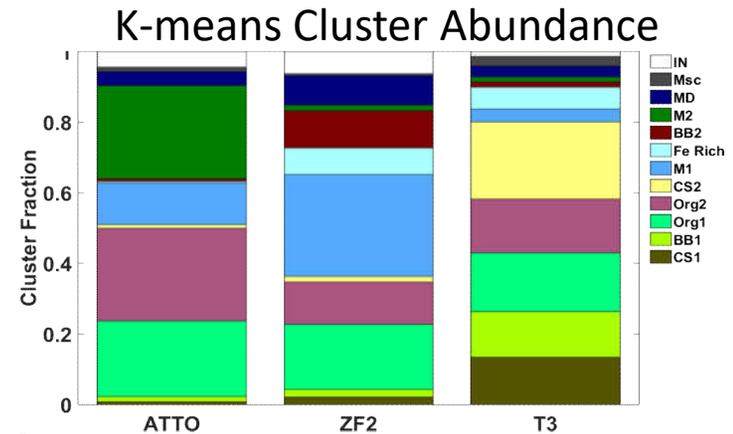
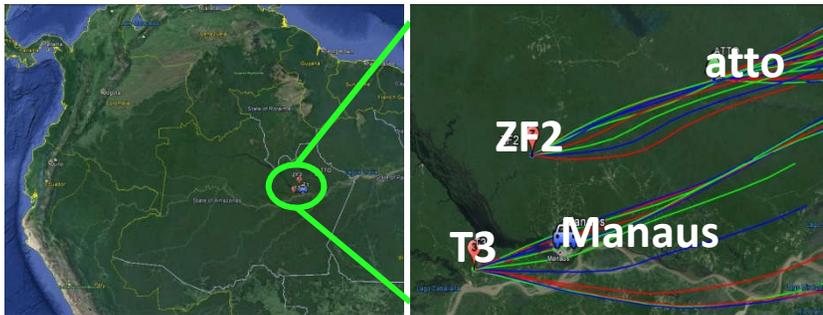
# Inorganic (IN) Inclusions Affect BC Radial Distributions

- Morphological analysis of over 10,000 particles from the CARES field study using STXM/NEXAFS

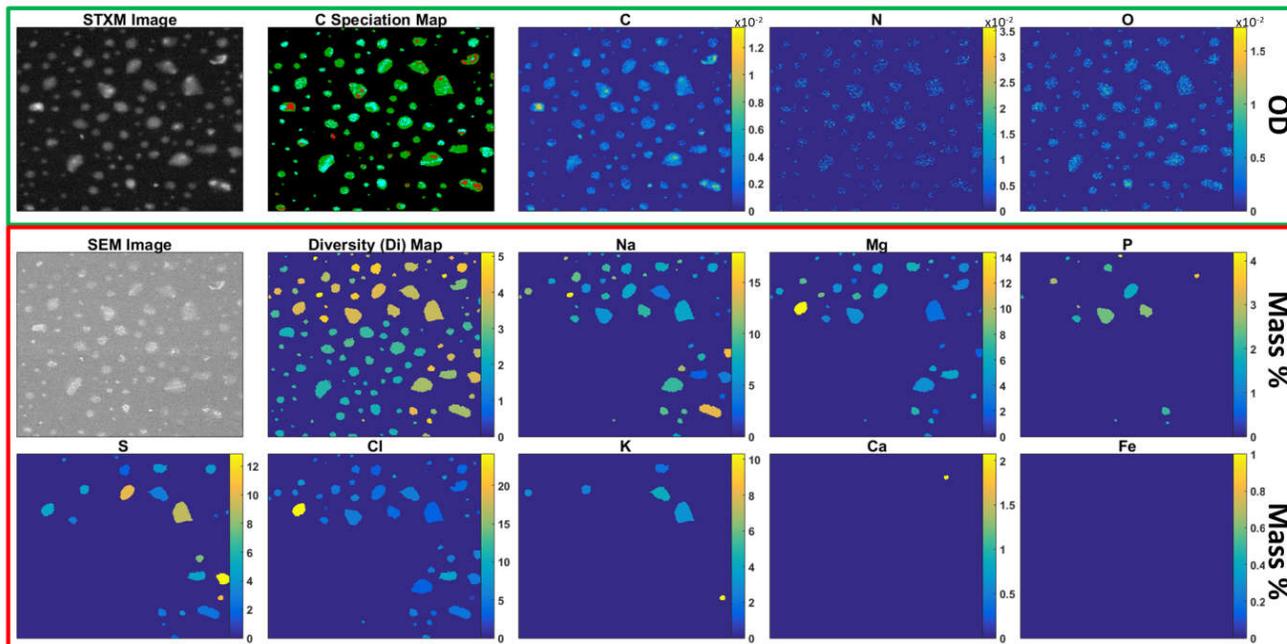
- Exploring data archiving options



# Single Particle Characterization of Rural and Remote Sites During GoAmazon IOP2



Composition Maps Derived from SEM and STXM



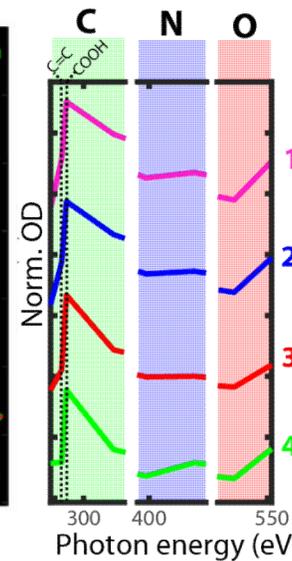
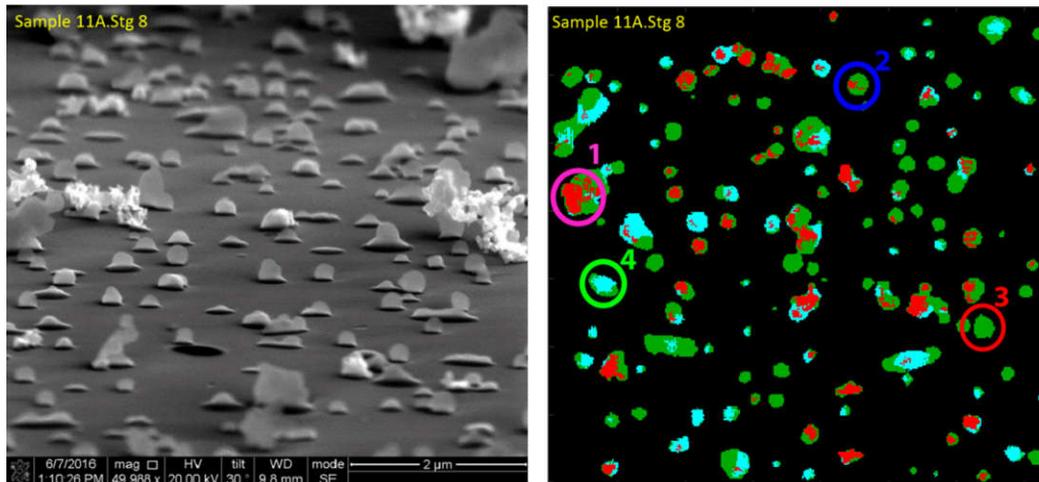
Combined SEM/EDX and STXM/NEXAFS on same particles

Quantification of elemental mixing state

K-means analysis of aerosol types

Working towards estimating molecular mixing state

# Investigation of Atmospheric Solid Organic Particles (ASOPs) at SGP



SEM is used to determine abundance of ASOPs

STXM quantifies abundance of light elements

Peripheral PSAP data is used to investigate angstrom exponent

Angstrom exponent is correlated with %ASOPs in atmosphere

